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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	DEC 01	ChemPort single article sales feature unavailable
NEWS 3	JAN 06	The retention policy for unread STNmail messages will change in 2009 for STN-Columbus and STN-Tokyo
NEWS 4	JAN 07	WPIDS, WPINDEX, and WPIX enhanced Japanese Patent Classification Data
NEWS 5	FEB 02	Simultaneous left and right truncation (SLART) added for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS 6	FEB 02	GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS 7	FEB 06	Patent sequence location (PSL) data added to USGENE
NEWS 8	FEB 10	COMPENDEX reloaded and enhanced
NEWS 9	FEB 11	WTEXTILES reloaded and enhanced
NEWS 10	FEB 19	New patent-examiner citations in 300,000 CA/CAplus patent records provide insights into related prior art
NEWS 11	FEB 19	Increase the precision of your patent queries -- use terms from the IPC Thesaurus, Version 2009.01
NEWS 12	FEB 23	Several formats for image display and print options discontinued in USPATFULL and USPAT2
NEWS 13	FEB 23	MEDLINE now offers more precise author group fields and 2009 MeSH terms
NEWS 14	FEB 23	TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms
NEWS 15	FEB 23	Three million new patent records blast AEROSPACE into STN patent clusters
NEWS 16	FEB 25	USGENE enhanced with patent family and legal status display data from INPADOCDB
NEWS 17	MAR 06	INPADOCDB and INPAFAMDB enhanced with new display formats
NEWS 18	MAR 11	EPFULL backfile enhanced with additional full-text applications and grants
NEWS 19	MAR 11	ESBIOBASE reloaded and enhanced
NEWS 20	MAR 20	CAS databases on STN enhanced with new super role for nanomaterial substances
NEWS 21	MAR 23	CA/CAplus enhanced with more than 250,000 patent equivalents from China
NEWS 22	MAR 30	IMSPATENTS reloaded and enhanced
NEWS 23	APR 03	CAS coverage of exemplified prophetic substances enhanced
NEWS 24	APR 07	STN is raising the limits on saved answers

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items

```
 NEWS IPC8     For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
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* * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 18:23:09 ON 24 APR 2009

=> fil reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.22       0.22

FILE 'REGISTRY' ENTERED AT 18:23:22 ON 24 APR 2009
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Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES:   23 APR 2009  HIGHEST RN 1138395-00-2
DICTIONARY FILE UPDATES:  23 APR 2009  HIGHEST RN 1138395-00-2

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

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experimental property data in the original document.  For information
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http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\QUERIES\10550286.str
```
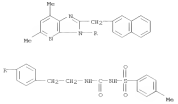

```
chain nodes :
11  12
ring nodes :
1  2  3  4  5  6  7  8  9  10  13  14  15  16  17  18  19  20  21
chain bonds :
11-12  12-17
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  5-7  6-10  7-8  8-9  9-10  13-17  13-14  14-15  15-16
 15-18  16-17  16-21  18-19  19-20  20-21
exact/norm bonds :
1-2  1-6  2-3  3-4  4-5  5-6  5-7  6-10  7-8  8-9  9-10  11-12  12-17  13-17  13-14
 14-15  15-16  15-18  16-17  16-21  18-19  19-20  20-21


Match level :
1:CLASS  2:CLASS  3:CLASS  4:CLASS  5:CLASS  6:CLASS  7:CLASS  8:CLASS  9:CLASS
10:CLASS  11:CLASS  12:CLASS  13:CLASS  14:CLASS  15:CLASS  16:CLASS  17:CLASS
18:CLASS  19:CLASS  20:CLASS  21:CLASS  24:CLASS



L1      STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1              STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l1
SAMPLE SEARCH INITIATED 18:23:41 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     1246 TO ITERATE

100.0% PROCESSED     1246 ITERATIONS                                 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE   **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:         22803 TO    27037
PROJECTED ANSWERS:                0 TO        0
```

```
L2            0 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 18:23:45 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    24478 TO ITERATE

100.0% PROCESSED    24478 ITERATIONS                                 7 ANSWERS
SEARCH TIME: 00.00.01

L3            7 SEA SSS FUL L1

=> s l3 and caplus/lc
     65426321 CAPLUS/LC
L4            5 L3 AND CAPLUS/LC

=> s l3 not l5
L5 NOT FOUND
The L-number entered could not be found.  To see the definition
of L-numbers, enter DISPLAY HISTORY at an arrow prompt (=>).

=> s l3 not l4
L5            2 L3 NOT L4

=> d l5 1-2
```

L5 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2009 ACS on STN
RN 582141-78-8 REGISTRY
ED Entered STN: 09 Apr 2003
CN 3H-Imidazo[4,5-b]pyridine, 6-bromo-2-(1-naphthalenylmethyl)- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 1H-Imidazo[4,5-b]pyridine, 6-bromo-2-(1-naphthalenylmethyl)- (9CI)
OTHER NAMES:
CN MSC 3815G8
MF C17 H12 Br N3
SR Chemical Library

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2009 ACS on STN
RN 413965-20-3 REGISTRY
ED Entered STN: 15 May 2002
CN Benzeneacetamide, N-[[2-[4-[5,7-dimethyl-2-(2-naphthalenylmethyl)-3H-imidazo[4,5-b]pyridin-3-yl]phenyl]ethyl]amino]carbonyl]-4-methyl- (CA INDEX NAME)
MF C35 H33 N5 O3 S
CI COM
SR CA

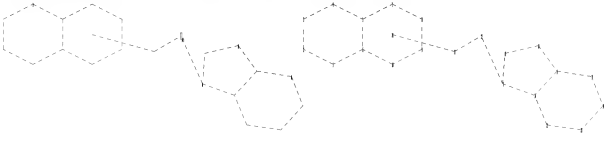


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

```
=>
Uploading C:\Program Files\Stnexp\Queries\QUERIES\10550286.str
```

```
chain nodes :
11  12
ring nodes :
1  2  3  4  5  6  7  8  9  10  13  14  15  16  17  18  19  20  21
chain bonds :
11-12  12-17
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  5-7  6-10  7-8  8-9  9-10  13-17  13-14  14-15  15-16
 15-18  16-17  16-21  18-19  19-20  20-21
exact/norm bonds :
1-2  1-6  2-3  3-4  4-5  5-6  5-7  6-10  7-8  8-9  9-10  11-12  12-17  13-17  13-14
 14-15  15-16  15-18  16-17  16-21  18-19  19-20  20-21


Match level :
1:CLASS  2:CLASS  3:CLASS  4:CLASS  5:CLASS  6:CLASS  7:CLASS  8:CLASS  9:CLASS
10:CLASS  11:CLASS  12:CLASS  13:CLASS  14:CLASS  15:CLASS  16:CLASS  17:CLASS
18:CLASS  19:CLASS  20:CLASS  21:CLASS  24:CLASS



L6      STRUCTURE UPLOADED

=> d
L6 HAS NO ANSWERS
L6              STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l6
SAMPLE SEARCH INITIATED 18:25:28 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       62 TO ITERATE

100.0% PROCESSED       62 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01
```

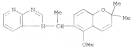
```
FULL FILE PROJECTIONS:  ONLINE   **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:           768 TO     1712
PROJECTED ANSWERS:                0 TO        0

L7            0 SEA SSS SAM L6

=> s l6 full
FULL SEARCH INITIATED 18:25:33 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      1456 TO ITERATE

100.0% PROCESSED     1456 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

L8            0 SEA SSS FUL L6

=>
Uploading C:\Program Files\Stnexp\Queries\QUERIES\10550286.str
```



```
chain nodes :
11  12
ring nodes :
1  2  3  4  5  6  7  8  9  10  13  14  15  16  17  18  19  20  21
chain bonds :
11-12  12-17
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  5-7  6-10  7-8  8-9  9-10  13-17  13-14  14-15  15-16
 15-18  16-17  16-21  18-19  19-20  20-21
exact/norm bonds :
1-2  1-6  2-3  3-4  4-5  5-6  5-7  6-10  7-8  8-9  9-10  11-12  12-17  13-17  13-14
 14-15  15-16  15-18  16-17  16-21  18-19  19-20  20-21


Match level :
1:CLASS  2:CLASS  3:CLASS  4:CLASS  5:CLASS  6:CLASS  7:CLASS  8:CLASS  9:CLASS
10:CLASS  11:CLASS  12:CLASS  13:CLASS  14:CLASS  15:CLASS  16:CLASS  17:CLASS
18:CLASS  19:CLASS  20:CLASS  21:CLASS  24:CLASS
```

```
L9      STRUCTURE UPLOADED

=> d
L9 HAS NO ANSWERS
L9              STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


=> s l9
SAMPLE SEARCH INITIATED 18:26:34 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      101 TO ITERATE

100.0% PROCESSED      101 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         1418 TO     2622
PROJECTED ANSWERS:               0 TO        0

L10           0 SEA SSS SAM L9

=> s l9 full
FULL SEARCH INITIATED 18:26:39 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     1971 TO ITERATE

100.0% PROCESSED     1971 ITERATIONS                               8 ANSWERS
SEARCH TIME: 00.00.01

L11           8 SEA SSS FUL L9

=> s l11 and caplus/lc
      65426321 CAPLUS/LC
L12           7 L11 AND CAPLUS/LC

=> s l11 not l12
L13           1 L11 NOT L12

=> d
```

L13 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2009 ACS on STN
RN 1027238-12-5 REGISTRY
ED Entered STN: 11 Jun 2008
CN 1H-Indazole[4,5-b]pyrrolizine, 1-[1-(4,8a-dihydro-5-methoxy-2,2-dimethyl-2H-1-benzopyran-6-yl)ethyl]- (CA INDEX NAME)
MF C26 H23 N3 O2
SR Other Sources
Databases: ChemSpider (ChemZoo, Inc.)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

```
=> fil caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY    SESSION
FULL ESTIMATED COST                                  575.93     576.15

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FILE COVERS 1907 - 24 Apr 2009  VOL 150 ISS 18
FILE LAST UPDATED: 23 Apr 2009  (20090423/ED)

Caplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2008.

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=> d his

     (FILE 'HOME' ENTERED AT 18:23:09 ON 24 APR 2009)

     FILE 'REGISTRY' ENTERED AT 18:23:22 ON 24 APR 2009
L1               STRUCTURE UPLOADED
L2             0 S L1
L3             7 S L1 FULL
L4             5 S L3 AND CAPLUS/LC
L5             2 S L3 NOT L4
L6               STRUCTURE UPLOADED
L7             0 S L6
L8             0 S L6 FULL
L9               STRUCTURE UPLOADED
L10            0 S L9
L11            8 S L9 FULL
L12            7 S L11 AND CAPLUS/LC
L13            1 S L11 NOT L12

     FILE 'CAPLUS' ENTERED AT 18:26:57 ON 24 APR 2009

=> s l12
L14            4 L12
```
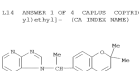

=> d ibib abs hitstr 1-4

L14 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:76708 CAPLUS
DOCUMENT NUMBER: 142:290843
TITLE: Identification of a novel small-molecule inhibitor of the hypoxia-inducible factor 1 pathway
AUTHOR(S): Yan, Chalet; de Noronha, Rita G.; Roecker, Anthony J.; Pyrzynska, Beata; Khwaja, Fatima; Zhang, Zhaobin; Zhang, Huanchun; Teng, Quincy; Nicholson, Ainsley C.; Giannakakou, Paraskevi; Zhou, Wei; Olson, Jeffrey G.; Pereira, M. Manuela; Nicolaou, K. C.; Van Meir, Erwin G.
CORPORATE SOURCE: Department of Neurosurgery, Emory University School of Medicine, Atlanta, GA, USA
SOURCE: Cancer Research (2005), 65(2), 605-612
CODEN: CNREAV; ISSN: 0008-5472
PUBLISHER: American Association for Cancer Research
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Hypoxia-inducible factor 1 (HIF-1) is the central mediator of cellular responses to low oxygen and has recently become an important therapeutic target for solid tumor therapy. Inhibition of HIF-1 is expected to result in the attenuation of hypoxia-inducible genes, which are vital to many aspects of tumor biol., including adaptative responses for survival under anaerobic conditions. To identify small mols. inhibiting the HIF-1 pathway, we did a biol. screen on a 10,000-membered natural product-like combinatorial library. The compds. of the library, which share a 2,2-dimethylbenzopyran structural motif, were tested for their ability to inhibit the hypoxic activation of an alkaline phosphatase reporter gene under the control of hypoxia-responsive elements in human glioma cells. This effort led to the discovery of 1G3D58, a novel small-mol. inhibitor of HIF-1α. 1G3D58 markedly decreased HIF-1α protein levels induced by hypoxia or cobaltous ions in a dose- and time-dependent manner, whereas minimally affecting global cellular protein expression levels, including that of control proteins such as HIF-1β, IκBα, and β-actin. The inhibitory activity of 1G3D58 against HIF-1α was clearly shown under normoxia and hypoxia in cells derived from different cancer types, including glioma, prostate, and breast cancers. This inhibition prevented the activation of HIF-1 target genes under hypoxia such as vascular endothelial growth factor (VEGF) and glucose transporter-1 (Glut-1). Investigations into the mol. mechanism showed that 1G3D58 strongly reduced HIF-1α protein synthesis, whereas HIF-1α mRNA levels and HIF-1α degradation were not affected. 1G3D58 inhibited the phosphorylation of Akt, Erk1/2, and stress-activated protein kinase/c-jun-NH2-kinase, without changing the total levels of these proteins. Further studies on the mechanism of action of 1G3D58 will likely provide new insights into its validity/applicability for the pharmacol. targeting of HIF-1α for therapeutic purposes.
IT 773852-25-8, 1G3D58
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(novel small-mol. inhibitor of hypoxia-inducible factor 1 pathway)
RN 773852-25-8 CAPLUS
CN 1H-Imidazo[4,5-b]pyridine, 1-[1-(5-methoxy-2,2-dimethyl-2H-1-benzopyran-6-

L14 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
ylethyl]- (CA INDEX NAME)



REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS
FORMAT RECORD. ALL CITATIONS AVAILABLE IN THE RE

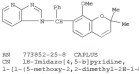
L14 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:857335 CAPLUS
DOCUMENT NUMBER: 141:343934
TITLE: HIF-1 inhibitors
INVENTOR(S): Van Meir, Erwin; Tan, Chalet; Roecker, Anthony; Nicolaou, Kyriacos C.
PATENT ASSIGNEE(S): Emory University, USA; The Scripps Research Institute
SOURCE: PCT Int. Appl., 91 pp.
CODEN: PIXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004087066	A2	20041014	WO 2004-US9148	20040329
WO 2004087066	A3	20050224		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2522441	A1	20041014	CA 2004-2522441	20040329
EP 1613311	A2	20060111	EP 2004-749494	20040329
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
US 20070299972	A1	20070103	US 2005-550286	20050922
PRIORITY APPLN. INFO.:			US 2003-458138P	P 20030327
			WO 2004-US9148	W 20040329

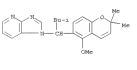
OTHER SOURCE(S): MARPAT 141:343934
AB HIF-1 inhibitors and methods of their use are provided. In particular, 2,2-dimethylbenzopyran based compds. and methods of their use, for example an the treatment or prevention of hypoxia-related pathologies are provided.
IT 773852-24-7 773852-25-8 773852-26-9
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(HIF-1 inhibitors such as dimethylbenzopyran based compds. for treatment of hypoxia-related diseases in combination with other agents in relation with modulation of gene transcription)
RN 773852-24-7 CAPLUS
CN 1H-Imidazo[4,5-b]pyridine, 1-[1(5-methoxy-2,2-dimethyl-2H-1-benzopyran-7-yl)phenylmethyl]- (CA INDEX NAME)

L14 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

RN 773852-25-8 CAPLUS
CN 1H-Imidazo[4,5-b]pyridine, 1-[1-(5-methoxy-2,2-dimethyl-2H-1-benzopyran-6-ylethyl]- (CA INDEX NAME)



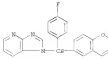
RN 773852-26-9 CAPLUS
CN 1H-Imidazo[4,5-b]pyridine, 1-[1-(5-methoxy-2,2-dimethyl-2H-1-benzopyran-6-yl)-3-methylbutyl]- (CA INDEX NAME)



L14 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2003:690830 CAPLUS
DOCUMENT NUMBER: 134:29278
TITLE: Natural Product-like Combinatorial Libraries Based on Privileged Structures. 2. Construction of a 10 000-Membered Benzopyran Library by Directed Split-and-Pool Chemistry Using NanoKans and Optical Encoding
AUTHOR(S): Nicolaou, K. C.; Pfefferkorn, J. A.; Mitchell, H. J.; Roecker, A. J.; Barluenga, S.; Cao, G.-Q.; Affleck, R.
L.; Lillig, J. E.
CORPORATE SOURCE: Department of Chemistry and The Skaggs Institute for Chemical Biology, The Scripps Research Institute, La Jolla, CA, 92037, USA
SOURCE: Journal of the American Chemical Society (2000), 122(41), 9954-9967
CODEN: JACSAT; ISSN: 0002-7863
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 134:29278
AB Having developed a reliable and versatile solid-phase strategy for the split-and-pool synthesis of naturally occurring and designed derivs. of the benzopyran templates, this was applied to the construction of a 10 000-membered natural product-like compound library for chemical biol. studies. Concomitantly, an early application of the IRORI NanoKan optical encoding system for the high throughput nonchem. tagging and sorting of library members during split-and-pool synthesis is reported. The overall synthetic strategy for library construction is discussed and the individual reaction pathways are examined in the context of specific library members, illustrating reaction conditions as well as yields and purities. The issues of building block selection and quality control of library members are also addressed and, finally, potential applications of the library to chemical biol. are discussed.
IT 310892-21-8P 310894-92-9P 310895-08-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of a 10 000-membered benzopyran library by split-and-pool chem.nal using NanoKans and optical encoding)
RN 310892-21-8 CAPLUS
CN 1H-Imidazo[4,5-b]pyridine, 3-[[8-ethoxy-2,2-dimethyl-2H-1-benzopyran-6-yl]phenylmethyl]- (CA INDEX NAME)

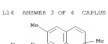
RN 310894-92-9 CAPLUS
CN 1H-Imidazo[4,5-b]pyridine, 3-[1-[2,2,6-trimethyl-2H-1-benzopyran-8-yl]ethyl]- (CA INDEX NAME)

L14 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2000:690829 CAPLUS
DOCUMENT NUMBER: 134:17324
TITLE: Natural Product-like Combinatorial Libraries Based on Privileged Structures. 1. General Principles and Solid-Phase Synthesis of Benzopyrans
AUTHOR(S): Nicolaou, K. C.; Pfefferkorn, J. A.; Roecker, A. J.; Cao, G.-Q.; Barluenga, S.; Mitchell, H. J.
CORPORATE SOURCE: Department of Chemistry and The Skaggs Institute for Chemical Biology, The Scripps Research Institute, La Jolla, CA, 92037, USA
SOURCE: Journal of the American Chemical Society (2000), 122(41), 9939-9953
CODEN: JACSAT; ISSN: 0002-7863
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 134:17324
AB A novel strategy for the design and construction of natural and natural product-like libraries based on the principle of privileged structures, a term originally introduced to describe structural motifs capable of interacting with a variety of unrelated mol. targets, is reported. The identification of such privileged structures in natural products is discussed, and subsequently the 2,2-dimethylbenzopyran moiety is selected as an unexplored template for the construction of natural product-like libraries via this strategy. Initially, a novel solid-phase synthesis of the benzopyran motif is developed employing a unique cycloloading strategy that relies on the use of a new, polystyrene-based selenenyl bromide resin. Once the loading, elaboration, and cleavage of these benzopyrans was established, this new solid-phase method was then thoroughly validated through the construction of six focused combinatorial libraries designed around natural and designed mols. of recent biol. interest.
IT 310403-63-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(solid-phase synthesis of natural product-related benzopyran libraries using polystyrene-supported selenenyl bromide)
RN 310403-63-5 CAPLUS
CN 1H-Imidazo[4,5-b]pyridine, 3-[(2,2-dimethyl-2H-1-benzopyran-6-yl)(4-fluorophenyl)methyl]- (CA INDEX NAME)

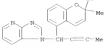


REFERENCE COUNT: 148 THERE ARE 148 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 310895-08-9 CAPLUS
CN 1H-Imidazo[4,5-b]pyridine, 3-[3-(2,2-dimethyl-2H-1-benzopyran-5-yl)-2-butyn-1-yl]- (CA INDEX NAME)



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